

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
29 April 2004 (29.04.2004)

PCT

(10) International Publication Number
WO 2004/035090 A1

(51) International Patent Classification: **A61K 45/06**,
9/00, A61P 1/04 // A61K 31/4439, 31/4164, 31/341,
31/426

(74) Agents: **ZACCO SWEDEN AB** et al.; P.O. Box 23101,
Sveavägen 170, S-104 35 Stockholm (SE).

(21) International Application Number:
PCT/SE2003/001598

(22) International Filing Date: 15 October 2003 (15.10.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0203065-8 16 October 2002 (16.10.2002) SE

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU,
CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE,
GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK,
MN, MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT,
RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (GH, GM,
KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO,
SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM,
GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (*for all designated States except US*): **OREXO**
AB [SE/SE]; Box 303, S-751 05 Uppsala (SE).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **PETTERSSON,**
Anders [SE/SE]; Tysslanda Säteri, S-463 94 Lilla Edet
(SE). **NYSTRÖM, Christer** [SE/SE]; Holmvägen 22 B,
S-756 61 Uppsala (SE). **HÅKANSSON, Yvonne** [SE/SE];
Holmvägen 22 B, S-756 61 Uppsala (SE).

Published:

— with international search report

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: GASTRIC ACID SECRETION INHIBITING COMPOSITION

(57) Abstract: An oral pharmaceutical dosage form comprises pharmacologically effective amounts of an acid-susceptible proton pump inhibitor and an H₂ receptor antagonist in combination with at least one pharmacologically acceptable excipient which causes a delayed release and/or an extended release of the proton pump inhibitor. The H₂ receptor antagonist is included in the dosage form in such a way that it is rapidly released after administration. This dosage form is suitable for the treatment of conditions associated with an excessive secretion of gastric acid and provides a suitable combination of a rapid onset and a long-lasting duration of the effect. The invention also relates to a method for manufacturing such a dosage form and to a method for the treatment of conditions associated with the secretion of gastric acid.

WO 2004/035090 A1

BEST AVAILABLE COPY